

WHAT IS CLAIMED IS:

23. A method for measuring activity of a protein that transports substances among donor/acceptor substances comprising:

5 (a) obtaining a sample comprising said protein;

(b) incubating said sample with (i) a donor substance labeled with a light emitter wherein light emitted from said light emitter increases with increasing activity of said protein and (ii) an acceptor dependent concentration light emission intensity quencher, wherein quenching of
10 said light emission intensity increases with concentration of acceptor present in said sample, wherein said quencher acts as a normalization factor and

(c) detecting light emission intensity to determine activity of said protein.

15 24. The method according to claim 23, in which the donor particle comprises a fluorescent lipid.

25 25. The method according to claim 23, in which the light emission intensity quencher is a colorimetric assay specific for lipids.

26. The method according to claim 23, in which the donor comprises a cholesteryl ester having a fluorescent label wherein said label blocks cholesteryl esterase activity and does not block cholesteryl ester
25 transfer protein activity.

27. A method for measuring activity of a protein that transports substances among donor/acceptor substances comprising

(a) obtaining a sample comprising said protein

(b) incubating said sample with (i) a donor substance labeled with a light emitter wherein light emitted from said light emitter increases with increasing activity of said protein and (ii) a protein dependent concentration light emission intensity quencher, wherein quenching of said light emission intensity increases with concentration of protein present in said sample, wherein said quencher acts as a normalization factor and

(c) detecting light emission intensity to determine activity of said protein.

28. The method according to claim 27, in which the donor particle comprises a fluorescent lipid.

29. The method according to claim 27, in which the light emission intensity quencher is a turbidimetric assay specific for protein.

30. The method according to claim 27, in which the donor comprises a cholesteryl ester having a fluorescent label wherein said label blocks cholesteryl esterase activity and does not block cholesteryl ester transfer protein activity.